



Ultrasound Imaging: Advances and Applications (Paperback)

By -

Springer-Verlag New York Inc., United States, 2014. Paperback. Condition: New. 2012 ed.. Language: English . Brand New Book ***** Print on Demand *****.Diagnostic and Therapeutic Ultrasound has recently taken an explosive growth for better safer, economic, mobile and high quality healthcare. This technology is very appealing for medical applications because it is non-ionizing, non-invasive and it is available in most of the medical and clinical facilities. Its low cost, when compared with other medical image modalities, makes it one of the preferred tools for medical monitoring, follow-up and diagnosis. Besides the traditional fields of Cardiology and Obstetrics, where it is extensively used for long time, it has become also very useful in the diagnosis of diseases of the prostate, liver and coronaries and carotids atherosclerosis. However, Ultrasound images present poor quality, very low signal to noise ratio and a lot of artifacts. The extraction of useful information from Ultrasound data for diagnosis is a challenge task that makes this medical image modality a very active field of research. The difficulties are being overcome and novel and advanced methods are being proposed for detection, characterization and segmentation of abnormalities in several organs. In fact, Ultrasound application range is vast, covering almost...



[READ ONLINE](#)
[3.27 MB]

Reviews

This sort of book is every little thing and made me searching ahead and more. Sure, it is actually play, nonetheless an amazing and interesting literature. You won't feel monotony at whenever you want of the time (that's what catalogs are for relating to in the event you ask me).

-- **Gavin Bosco IV**

This pdf will never be straightforward to begin on looking at but really entertaining to read through. I really could comprehend everything out of this composed e pdf. I am just very easily could possibly get a enjoyment of looking at a composed ebook.

-- **Dr. Mallory Bashirian Sr.**